10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Plastin L Antibody

Rabbit mAb
Catalog # AP91887

## Product Information

| | |
|---|---|
| **Application** | WB, IHC, IF, ICC, IHF |
| **Primary Accession** | P13796 |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Other Names** | CP64; L plastin; LC64P; LCP1; LPL; Lplastin; Plastin 2; PLS2; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 70288 |

## Additional Information

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|---|---|
| **Dilution** | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human Plastin L |
| **Description** | Actin-binding protein. Plays a role in the activation of T-cells in response to costimulation through TCR/CD3 and CD2 or CD28. Modulates the cell surface expression of IL2RA/CD25 and CD69. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## Protein Information

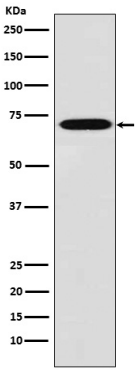
| | |
|---|---|
| **Name** | LCP1 |
| **Synonyms** | PLS2 |
| **Function** | Actin-binding protein (PubMed: 16636079, PubMed:17294403, PubMed:28493397). Plays a role in the activation of T-cells in response to costimulation through TCR/CD3 and CD2 or CD28 (PubMed:17294403). Modulates the cell surface expression of IL2RA/CD25 and CD69 (PubMed:17294403). |
| **Cellular Location** | Cytoplasm, cytoskeleton. Cell junction. Cell projection. Cell projection, ruffle membrane {ECO:0000250\|UniProtKB:Q61233, ECO:0000269\|PubMed:16636079}; Peripheral membrane protein {ECO:0000250\|UniProtKB:Q61233}; Cytoplasmic side {ECO:0000250\|UniProtKB:Q61233}. Note=Relocalizes to the immunological synapse between peripheral blood T-lymphocytes and antibody-presenting cells in response to costimulation through TCR/CD3 and CD2 or CD28 (PubMed:17294403). Associated with the actin cytoskeleton at membrane |

ruffles. Relocalizes to actin-rich cell projections upon serine phosphorylation (PubMed:16636079). {ECO:0000250|UniProtKB:Q61233, ECO:0000269|PubMed:16636079, ECO:0000269|PubMed:17294403}

**Tissue Location**

Detected in intestinal microvilli, hair cell stereocilia, and fibroblast filopodia, in spleen and other lymph node- containing organs. Expressed in peripheral blood T-lymphocytes, neutrophils, monocytes, B-lymphocytes, and myeloid cells

## Images




Western blot analysis of Plastin L expression in THP1 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.